

Centaurium namophilum* Reveal, Broome & Beatley (1973) SPRING-LOVING CENTAURY*FAMILY:** *Gentianaceae*, the gentian family.**SYNONYMS:** *Centaurium namophilum* var. *namophilum***STATUS:****Heritage Program SENSITIVE LIST, ranks: G2Q S2****USFWS/ESA:** LISTED THREATENED. **STATE OF NEVADA:** FULLY PROTECTED. **BLM:** Special Status Species. **USFS:** none. **NNNPS:** THREATENED. **IUCN:** vulnerable.**POPULATION CENSUS:** **14 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **19 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 4230+**, total estimated **area 10.5+ ha (25.9+ ac)**. **TREND:** unknown.**IMPACTS AND MAJOR THREATS:** Regional groundwater pumping, competition from invasive weeds, impacts from past agricultural conversion and water diversion.**INVENTORY EFFORT:** Surveys are largely complete, but a few more undocumented occurrences are likely to exist in the Ash Meadows area. Most recent entered survey 1986, average year of last survey 1983.**Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 78.9%; **21-30 yrs:** 5.3%; **31-50 yrs:** 15.8%.**LAND MANAGEMENT** in decreasing predominance: U. S. Fish and Wildlife Service, U. S. Bureau of Land Management, private lands.**RANGE:** Nye County, Nevada. Endemic to the Ash Meadows area. Maximum **range dimension 14.3 km (8.9 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.**ELEVATIONS RECORDED:** 2100-2350 feet (640-716 meters).**HABITAT:** Open, moist to wet, alkali-crusted clay soils of seeps, springs, outflow drainages, meadows, and hummocks, with *Distichlis spicata*, *Pyrrocoma*, *Juncus balticus*, *Anemopsis californica*, *Nitrophila occidentalis*, *Atriplex*, *Cordylanthus tecopensis*, *Fraxinus*, *Prosopis*, *Tamarix*, *Baccharis*, *Typha*, *Cirsium*, *Iva*, etc. Aquatic or wetland-dependent.**PHENOLOGY:** flowering summer. Range of most frequent **survey months:** July-August.**LIFE-FORM AND HABIT:** annual.**DESCRIPTION:** not available (see references).**PHOTOGRAPHS:** Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.**ILLUSTRATIONS:** Mozingo and Williams (1980).**OTHER GENERAL REFERENCES** (listed separately): Beatley (1976).**SPECIFIC REFERENCES:**Broome, C. R. 1981. A new variety of *Centaurium namophilum* (Gentianaceae) from the Great Basin. *Great Basin Naturalist* 41: 192-197.Reveal, J. L., C. R. Broome and J. C. Beatley. 1973. A new *Centaurium* (Gentianaceae) from Death Valley region of Nevada and California. *Bulletin of the Torrey Botanical Club* 100: 353-356.**OF FURTHER INTEREST:** Reports of *Centaurium namophilum* from California are apparently based on collections of the *Centaurium namophilum* var. *nevadense* Broome, which many botanists consider to be the same species as *Centaurium exaltatum* (Grisebach) W. Wight. The rare taxon in Nevada would be named *Centaurium namophilum* var. *namophilum* if the var. *nevadense* is also recognized.